

Notice of Allowability

Application No.

09/752,236

Examiner

Kimberly D. Nguyen

Applicant(s)

FARIA ET AL.

Art Unit

2876

ML

-- **Th MAILING DATE of this communication appears on the cover sheet with the correspondenc address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 14 October 2003.
2. ☒ The allowed claim(s) is/are 11, 12 and 15-18.
3. ☒ The drawings filed on 15 March 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

Amendment

1. Acknowledgement is made of Appeal Brief filed 14 October 2003.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. William Burns on 30 December 2003 (a proposed set of claims requested by Mr. Burns for review) and 2 January 2004 (the proposed set of claims faxed and approved by Mr. Burns).

IN THE CLAIMS:

Re claim 11: Incorporate claims 13 and 14 into independent claim 11 as following:

-- 11. A device for desensitization or sensitization of magnetic security markers, such as those used on books or videos, comprising:

a) an electromagnetic transducer including a magnet comprised of a core and coil of concentrically wound wire, intensifier blocks forward of the magnet to focus the flux of the magnet, said core being comprised of laminated sheets of transformer steel, and said intensifier blocks being comprised of laminated layers of transformer steel;

b) electronic means to power said electromagnetic transducer with DC or AC current; and

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c) switch means to shift the power to the transducer means between AC and DC, such that when said electromagnetic transducer is powered by DC current it will desensitize magnetic security markers that are moved past said transducer, and when said electromagnetic transducer is powered by AC current it will sensitize magnetic security markers that are moved past said electromagnetic transducer;

wherein the core is comprised of 36 sheets of .012" thick 3% grain oriented silicon sulfide transformer steel that are laminated together;

wherein the intensifier blocks are comprised of 32 sheets of 14 mil transformer steel that are laminated together.--

Re claim 12: The device of claim 11, wherein said electromagnetic is comprised of two (2) electromagnetic coils and a core.

Re claim 13: (cancel).

Re claim 14: (cancel).

Re claim 15. The device of claim [14] 11, wherein [the] a cross-section of the intensifier blocks is that of a half-trapezoid.

Re claim 16. The device of claim 11, wherein the electromagnetic transducer produces a flux having a depth of 2 inches, a width equal to the width of the transducer and a flux density no greater than 700 gauss.

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Re claim 17. The method of desensitizing or sensitizing a magnetic security marker attached to books or videos by an electromagnetic transducer workstation comprising the steps of:

- a) switching the power to the transducer to direct current;
- b) emitting electromagnetic flux in a range of 2 inches or less, and of a maximum flux density of 700 gauss;
- c) moving the marker in translational movement by the workstation and the transducer and its emitted flux to desensitize the marker;
- d) switching the power to the transducer to alternating current;
- e) emitting electromagnetic flux in a range of 2 inches or less and of a maximum 700 gauss;
- f) moving the marker in translational movement by the workstation and transducer to sensitize the marker wherein the desensitizing/sensitizing procedure is accomplished without damage to videos because of the short range and low flux/density.

Re claim 18: Incorporate claims 19 and 20 into independent claim 18 as following:

--18. An apparatus or workstation for desensitizing or sensitizing electromagnetic markers attached to books or videos comprising:

- a) a housing comprised of a base, a cover, and a magnet housing;
- b) an electromagnetic transducer secured to the base and the housing in position to emit electromagnetic flux through the wall of the magnetic housing, said electromagnetic transducer including a magnet, that is comprised of a core and two (2) coils of concentrically wound wire,

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and a pair of intensifier blocks, forward of the magnet, which focus the flux created by the magnet into a small space through said wall;

c) electronic circuitry to power the electromagnetic transducer with direct current or alternating current;

d) switch means to shift the power to the electromagnetic transducer between AC and DC current such that, when said electromagnetic transducer is powered by DC current it will desensitize magnetic security markers that are moved past said housing and said transducer, and when said electromagnetic transducer is powered by AC current, it will sensitize magnetic security markers that are moved past said housing and electromagnetic transducers;

wherein the transducer produces a flux having a depth of 2 inches, width equal to the width of the transducer, and a flux density no greater than 700 gauss, wherein the desensitizing/sensitizing procedure is accomplished without damage to videos because of the short range and low flux density;

wherein the flux that is created by the magnet is focused between the intensifier blocks through the face of the housing into the magnetic security mark which moves translationally across the path of the flux. --

Re claim 19: (cancel).

Re claim 20: (cancel).

Allowable Subject Matter

3. Claims 11-12 and 15-18 are allowed.
4. The following is an examiner's statement of reasons for allowance:

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The record of prior art fails to teach the core of an electromagnetic transducer is comprised of 36 sheets of .012" thick 3% grain oriented silicon sulfide transformer steel that are laminated together; and the intensifier blocks are comprised of 32 sheets of 14 mil transformer steel that are laminated together.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 703-305-1798. The examiner can normally be reached on Monday-Friday 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 703-305-3503. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-8792.

KDN
2 January 2004


MICHAEL G. LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800